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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	0425-1154PUS1
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### Complete if Known

Application Number	10/509,795-Conf. #9627
Filing Date	February 25, 2005
First Named Inventor	Norihiro OHI
Art Unit	1626
Examiner Name	J. M. Nolan

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/JN/	BA	WO-00/35909-A1	06-22-2000		
	BB	WO-00/35921-A1	06-22-2000		
	BC	WO-00/64872-A1	11-02-2000		
	BD	WO-00/35906-A2	06-22-2000		
	BE	WO-00/75118-A1	12-14-2000		
	BF	WO-01/12609-A1	02-22-2001		
	BG	WO-01/12621-A1	02-22-2001		
	BH	WO-01/23378-A1	04-05-2001		✓
	BI	WO-01/23379-A1	04-05-2001		
	BJ	WO-01/23382-A1	04-05-2001		
	BK	EP-1 110 957-A1	06-27-2001		✓
	BL	WO-01/91749-A1	12-06-2001		✓
	BM	WO-02/10137-A2	02-07-2002		

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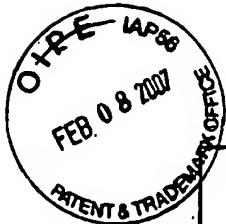
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	CA	Kyriakis et al.; "The stress-activated protein kinase subfamily of c-Jun kinases"; Letter to Nature, vol. 369, pp 156-160, 1994			
	CB	Xia et al.; "Opposing Effects of ERK and JNK-p38 MAP Kinases on Apoptosis"; Science, vol. 270, pp. 1326-1331, 1995			
	CC	Pulverer et al.; "Phosphorylation of c-jun mediated by MAP kinases"; Letters to Nature, vol. 353, pp. 670-674, 1991			
	CD	Gupta et al.; "Selective interaction of JNK protein kinase isoforms with transcription factors"; The Embo Journal, vol. 15, no. 11, pp. 2760-2770, 1996			
↓	CE	Mohlt et al.; "p49 <sup>3F12</sup> Kinase: A Novel MAP Kinase Expressed in a Subset of Neurons in the Human Nervous System"; Neuron, vol. 14, pp. 67-78, 1995			
↓	CF	Kuan et al.; "The Jnk1 and Jnk2 Protein Kinases Are Required for Regional Specific Apoptosis during Early Brain Development"; Neuron, vol. 22, pp. 667-676, 1999			

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Birch, Stewart, Kolasch & Birch, LLP

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Substitute for form 1449/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/509,795-Conf. #9627
(Use as many sheets as necessary)				Filing Date	February 25, 2005
				First Named Inventor	Norihiro OHI
				Art Unit	1626
				Examiner Name	J. M. Nolan
Sheet	2	of	2	Attorney Docket Number	0425-1154PUS1

NON PATENT LITERATURE DOCUMENTS				
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/JN	CG	Sabapathy et al.; c-Jun NH <sub>2</sub> -Terminal Kinase (JNK)1 and JNK2 Have Similar and Stage-dependent Roles in Regulating T Cell Apoptosis and Proliferation"; J. Exp. Med., vol. 193, no 3, pp. 317-328, 2001		
	CH	Hirosumi et al.; "A central role for JNK in obesity and insulin resistance"; Nature, vol. 420, pp. 333-336, 2002		
	CI	Yang et al.; "Absence of excitotoxicity-induced apoptosis in the hippocampus of mice lacking the Jnk3 gene"; Letters to Nature, vol. 389, pp. 865-870, 1997		
	CJ	Ham et al.; "A c-Jun Dominant Negative Mutant Protects Sympathetic Neurons against Programmed Cell Death"; Neuron, vol. 14, pp. 927-939, 1995		
	CK	Watson et al.; "Phosphorylation of c-Jun Is Necessary for Apoptosis Induced by Survival Signal Withdrawal in Cerebellar Granule Neurons"; The Journal of Neuroscience, vol. 18, pp. 751-762, 1998		
	CL	Yuan et al.; "Apoptosis in the nervous system"; Nature, vol. 407, pp. 802-809, 2000		
	CM	Xia et al.; "Gene transfer of the JNK interacting protein-1 protects dopaminergic neurons in the MPTP model of Parkinson's disease"; PNAS, vol. 98, no. 18, pp. 10433-10438, 2001		
	CN	Savage et al.; "Activation of c-Jun N-Terminal Kinase and p38 in an Alzheimer's Disease Model is Associated with Amyloid Deposition"; The Journal of Neuroscience, vol. 22, pp. 3376-3385, 2002		
	CO	Zhu et al.; "Activation and redistribution of c-Jun N-terminal kinase/stress activated protein kinase in degenerating neurons in Alzheimer's disease"; Journal of Neurochemistry, vol. 76, pp. 435-441, 2001		
↓	CP	Bonni et al.; "Cell Survival Promoted by the Ras-MAPK Signaling Pathway by Transcription-Dependent and -Independent Mechanisms"; Science, vol. 286, pp. 1358-1362, 1999		
	CQ	Han et al.; "BDNF Protects the Neonatal Brain from Hypoxic-Ischemic Injury In Vivo via the ERK Pathway"; The Journal of Neuroscience, vol. 20, pp. 5775-5781, 2000		

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
(Use as many sheets as necessary)				Application Number	Not Yet Assigned
				Filing Date	September 29, 2004
				First Named Inventor	Norihiro OHI
				Art Unit	AIA 1626
				Examiner Name	Not Yet Assigned Jason Nolan
Sheet	1	of	1	Attorney Docket Number	0425-1154PUS1

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		

## FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
/JN/	BA**	EP-594001-A1	04-27-1994		
	BB**	EP-239191-A1	09-30-1987		
	BC**	JP-1-190681-A	07-31-1989		
	BD**	SU-1147712-A1	03-30-1985		
	BE**	WO-02/083648-A1	10-24-2002		
	BF**	WO-00/56710-A1	09-28-2000		
	BG**	WO-99/20624-A1	04-29-1999		
	BH**	WO-99/7705-A1	02-18-1999		
	BI**	WO-98/52948-A1	11-26-1998		

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## **NON PATENT LITERATURE DOCUMENTS**

NON-PATENT LITERATURE DOCUMENTS		
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	CA**	Abdel-Aziz El-Taweel et al., Alexandria Journal of Pharmaceutical Sciences, (1998), 12(1), 11-15
	CB**	Ghozlan, S.A.S. et al., Egyptian Journal of Pharmaceutical Sciences, (1992), 33(5-6), 859-67
	CC**	Marei, Mohamed Gaber, Bulletin of the Chemical Society of Japan, (1993), 66(4), 1172-5
	CD**	Rusinov, V.L. et al., Khimiya Geterotsiklicheskikh Soedinenii, (1992), (11), 1560-4
	CE**	Marei, Mohamed Gaber, Afinidad, (1993), 50(443), 55-8
	CF**	Radinov, R. et al., Journal of Molecular Structure, (1987), 158, 99-108
	CG**	Cecchi, L. et al., Farmaco, Edizione Scientifica, (1983), 38(1), 24-8
	CH**	Cecchi, L. et al., Farmaco, Edizione Scientifica, (1982), 37(2), 116-22
V	CI**	Gastaldi, A. et al., Journal of Heterocyclic Chemistry, (1979), 16(6), 1141-5
	CJ**	Kocevar, M. et al., Journal of Heterocyclic Chemistry, (1978), 15(7), 1175-84

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